

**AMENDMENTS**

**IN THE CLAIMS:**

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1. (Three Times Amended) A millimeter band signal transmitting/receiving system, comprising:

- a transmitter transmitting a millimeter band signal wave;
- a propagation path forming portion forming at least one indirect propagation path for propagation of said millimeter band signal wave; and
- a receiver capable of simultaneously receiving a plurality of said millimeter band signal waves from a plurality of propagation paths including a line of sight propagation path to said transmitter and said at least one indirect propagation path, and receiving said millimeter band signal wave from at least one of said plurality of propagation paths.

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11. (Twice Amended) A millimeter band signal transmitting/receiving system, comprising:

- a plurality of transmitters; and
- a receiver arranged to simultaneously receive a plurality of millimeter band signal waves output from said plurality of transmitters,
- said plurality of millimeter band signal waves being transmitted from said plurality of transmitters having a same frequency.

15. (Twice Amended) A house provided with a millimeter band signal transmitting/receiving system including a structural component defining an internal space and a millimeter band signal transmitting/receiving system, wherein said millimeter band signal transmitting/receiving system comprises:

a transmitter transmitting a millimeter band signal wave;

a propagation path forming portion arranged in said structural component for forming at least one indirect propagation path for propagation of said millimeter band signal wave; and

a receiver simultaneously receiving a plurality of millimeter band signal waves through a plurality of propagation paths including a line of sight propagation path to said transmitter and said at least one indirect propagation path.

18. (Amended) A millimeter band signal transmitting/receiving system, comprising:

at least one transmitter transmitting a millimeter band signal through an associated transmit antenna along a plurality of propagation paths of said millimeter band signal formed by said associated transmit antenna including a line of sight propagation path between said associated transmit antenna and a receive antenna,